

Form PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 59	W/615509
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		Applicant John Chen	
		Issue Date	Group 165T

U. S. PATENT DOCUMENTS

*Examiner Initial		Document Number							Date	Name	Class	Sub-class	Filing Date If Appropriate
W	AA	2	9	9	3	8	7	4	07/25/61	Hoel	260	27	
	AB	3	1	4	9	1	8	2	09/15/64	Porter	260	879	
	AC	3	2	3	9	4	7	6	03/08/66	Harlan	260	27	
	AD	3	2	3	9	4	7	8	03/08/66	Harlan	260	27	
	AE	3	2	6	5	7	6	5	08/09/66	Holden	260	876	
	AF	3	3	2	5	4	3	0	06/13/67	Grasley	260	25	
	AG	3	3	3	3	0	2	4	07/25/67	Haefele	260	880	
	AH	3	4	8	4	8	5	0	09/02/69	Haefele	117	135.5	
	AI	3	4	8	5	7	8	7	12/23/69	Haefele	260	33.6	
	AJ	R	E	2	7	1	4	5	08/22/71	Jones	260	880	
W	AK	3	5	9	5	9	4	2	07/27/71	Wald	260	880	

FOREIGN PATENT DOCUMENTS

*Examiner Initial		Document Number							Date	Name	Class	Sub-class	Translation	
		Yes	No											
W	AL	EU	4	8	3	3	7	0	4/26/91	HISANITSU PHARMACEUTICAL CO., INC.				
W	AM	EU	4	3	9	1	8	0	1/25/91	LTS LOHMANN THERAPIE-SYSTEME GMBH, CO. KG				
W	AN	EU	2	8	5	1	8	1	4/01/88	TEKKOKU SEIVAKU KABUSHIKI KAISHA				
W	AO	EU	1	4	6	1	6	3	11/20/84	SHELL INTERNATIONAL RESEARCH				
W	AP	WO	90	0	5	1	6	6	9/11/89	RAYCHEM LIMITED				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Page, Etc.)

W	AR	ALLEN, ET AL; COMPREHENSIVE POLYMER SCIENCE-VOLUME 7; 1994; P. 416-431
W	AS	KIRK-OTHMER; ENCYCLOPEDIA OF CHEMICAL TECHNOLOGY; 1994; 4TH EDITION; P. 17-37
W	AT	GARDNER, WILLIAM; GARDNER'S CHEMICAL SYNONYMS AND TRADE NAMES; 1994;

Examiner Nahit Feller	Date Considered 4-24-00
* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office	Any. Docket No. <u>59</u>	<u>10/675509</u>
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		
Applicant John Chen		Issue Date
Group <u>1651</u>		

U. S. PATENT DOCUMENTS

*Examiner Initial		Document Number							Date	Name	Class	Sub-class	Filing Date If Appropriate
YD	AW	4	0	0	6	1	1	6	02/01/77	Dominguez	260	33.6	
	AX	4	0	3	2	4	5	9	06/28/77	Crossland	252	51.5	
	AY	4	0	3	6	9	1	0	07/19/77	ANDERSON	525	339	
	AZ	4	0	3	9	6	2	9	08/02/77	Himes	260	880	
	BA	4	0	4	1	1	0	3	08/09/77	Davison	260	857	
	BB	4	0	8	0	3	4	8	03/21/78	Korpman	260	27	
	BC	4	1	3	8	0	7	1	01/23/79	Korpman	260	27	
	BD	4	3	1	3	8	6	7	02/02/82	Duvdevani	260	33.6	
	BE	4	4	8	1	3	2	3	11/06/84	Sterling	524	269	
	BF	4	5	1	1	3	5	4	04/16/85	Sterling	604	98	
11	BG	5	1	1	2	9	0	0	05/12/92	Buddenhagen	524	484	

FOREIGN PATENT DOCUMENTS

*Examiner Initial		Document Number							Date	Name	Class	Sub-class	Translation	
													Yes	No
	AL													
	AM													
	AN													
	AO													
	AP													

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Page, Etc.)

	AR		
	AS		
	AT		

Examiner <u>[Signature]</u>	Date Considered <u>9-25-06</u>
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U. S. PATENT DOCUMENTS

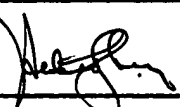
*Examiner Initial		Document Number							Date	Name	Class	Sub-class	Filing Date If Appropriate
W	AL	3	6	1	4	8	3	6	10/26/71	Snyder	36	2.5	
	AM	3	7	9	2	0	0	5	02/12/74	Harlan	260	22	
	AN	3	8	1	0	9	5	7	05/14/74	Lunk	260	876	
	AO	3	6	7	6	3	8	7	07/11/72	Lindlot	260	28.5	
	AP	3	7	5	6	9	7	7	09/04/73	Yoshimoto	260	33.6	
	AQ	3	8	2	7	9	9	9	08/08/74	Crossland	260	33.6	
	AR	3	8	3	0	7	6	7	08/20/74	Condon	260	28.5	
	AS	3	8	9	8	2	0	8	08/05/75	Krause	260	85.1	
	AT	3	9	2	9	7	1	5	12/30/75	Nowell	260	34.2	
	AU	3	9	3	3	7	2	3	01/20/76	Grenness	260	33.6	
	AV	3	9	6	5	0	1	9	06/22/76	St. Clair	252	59	

FOREIGN PATENT DOCUMENTS

*Examiner Initial		Document Number							Date	Name	Class	Sub-class	Translation	
													Yes	No
W	AL	WD	88	0	0	6	0	3	7/17/87	RAYCHEM LIMITED				
W	AM	GB	20	1	9	4	1	6	4/18/79	MINNESOTA MINING AND MANUFACTURING COMPANY				
	AN													
	AO													
	AP													

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Page, Etc.)

W	AR		HOLDEN ET AL; THERMOPLASTIC ELASTOMERS; 2 ND Edition; 1996;
	AS		CHAPTER 1-p.1-26; CHAPTER 3-p. 27-70; CHAPTER 4-p. 71-100
	AT		

Examiner 	Date Considered 11-24-06
* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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		Issue Date	Group 1657

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*Examiner Initial		Document Number	Date	Name	Class	Sub-class	Filing Date If Appropriate
BP	BH	5 4 4 2 0 0 4	08/15/95	Sutherland	524	140	
	BI	5 5 4 1 2 5 0	07/30/96	Hudson	524	505	
M	BJ	5 5 8 0 5 7 2	12/03/96	Mikler	424	448	

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*Examiner Initial		Document Number	Date	Name	Class	Sub-class	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

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	AS		
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FORM 1449 (MODIFIED)

Docket NO.:

59

USSN: 10675509

APPLICANT: JOHN Y, CHEN

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US PATENT DOCUMENTS

EX ✓	PATENT NO.	ISSUE DATE	PATENTEE	CLASS/SUBCLASS	FILING DATE
CA	3660849	5/9/72	JONNES	2 2.1	7/13/70
CB	3821149	6/28/74	MAKOWSKI	260 30.6	9/28/73
CD	3827999	8/6/74	CROSSLAND	260 33.6	8/6/74
CE	3860013	1/14/75	CZAPOR	132 91	7/17/72
CF	4136699	6/30/79	COLLINS	128 290	1/21/77
CG	4151057	4/24/79	ST. CLAIR		8/14/78
CH	4176240	11/27/79	SABIA	174 23	5/30/78
CI	4259540	3/31/81	SABIA		4/20/79
CJ	4351913	9/28/82	PATEL		1/4/82
CK	4361508	11/30/82	BOURLAND	523 173	10/20/80
CL	4369284	1/18/83	CHEN		3/28/80
CM	4432607	2/21/84	LEVY	350 96.34	10/27/81
CN	4492428	1/8/85	LEVY		8/16/82
CO	4497538	2/5/85	PATEL		8/10/83
CP	4509821	4/9/85	STENGER	350 96.23	9/1/83
CQ	4600261	7/15/86	DEBBAUT		10/12/82
CR	4610738	9/9/86	JERVIS	156 49	1/4/85
CS	4618213	10/21/86	CHEN		1/18/84
TC	4643924	2/17/87	UKEN	428 35	5/2/85
CU	4662692	5/5/87	UKEN	339 96	5/2/85
CV	4678664	7/7/87	SCHMOLKA	424 65	9/30/82
CW	4680233	7/14/87	CAMIN	428 424.6	5/2/85
CX	4690831	9/1/87	UKEN	427 44	6/18/86
CY	4692369	9/8/87	NOMI	428 198	12/9/85
CZ	4709982	12/1/87	CORNE	427 44	11/13/85
DA	4716183	12/29/87	GAMARRA	522 90	11/22/85
DB	4721832	1/26/88	TOY	174 87	5/2/86
DC	4764535	8/16/88	LEICHT		8/6/84
DD	4798853	1/17/89	HANDLIN	523 173	1/20/87
DE	4801346	1/31/89	HUDDLESTON		7/30/86
DF	4822834	4/18/89	BLEVINS	524 427	4/19/88
DG	4833193	5/23/89	SIEVERDING		8/14/87
DH	4842931	6/27/89	ZOOK	428 354	7/19/88
DI	4864725	9/12/89	DEBBAUT	29 871	4/18/88
DJ	4865905	9/12/89	UKEN	428 220	12/9/88
DK	4880676	11/14/89	PULGCERVER	428 35.7	11/14/89
DL	4880878	11/14/89	HIMES	525 89	12/29/87
DM	4883431	11/28/89	UKEN		9/26/86
DN	4888070	12/19/89	CLARK		12/1/87
DO	4889171	12/26/89	COVINGTON	428 304	4/21/88
DP	4889403	12/26/89	ZUCKER		12/23/87
DR	4900877	2/13/90	DUBROW	174 35	7/12/88
D	4909756	3/20/90	JERVIS		8/31/88
DT	4929211	5/29/90	RESNICK	446 14	12/2/88
DU	4942270	7/17/90	GAMARRA	174 93	7/12/88
DV	4944363	7/31/90	OSHER	273 58	2/6/90
DW	4944973	7/31/90	FOLLETTE		9/13/89

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APPLICANT: JOHN Y, CHEN
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EX ✓	PATENT NO.	ISSUE DATE	PATENTEE	CLASS/SUBCLASS	FILING DATE
DX	4968747	11/6/90	MALLIKARJUN	525 74	3/30/90
DY	4983008	1/8/91	CAMPBELL	350 96.16	11/1/88
DZ	5026054	6/25/91	OSHER	273 58	7/18/90
EA	5059748	10/22/91	ALLEN	174 87	4/26/90
EB	5068138	11/26/91	MITCHELL	428 36.8	7/23/90
EC	5085597	2/4/92	STORY	439 521	3/28/91
ED	5088734	2/18/92	GLAVA	273 73	1/9/91
EE	5098421	3/24/92	ZOOK	604 367	10/16/89
EF	5126182	6/30/92	DOUGLAS	428 90	1/22/90
EG	5149736	9/22/92	GAMARRA	524 490	5/7/90
EH	5153254	10/6/92	CHEN	524 505	6/24/88
EI	5159022	10/27/92	IKEMATU	525 250	5/21/91
EJ	5167649	12/1/92	ZOOK	604 307	4/17/92
EK	5173573	12/22/92	JERVIS	174 138	3/15/91
EL	5177143	2/27/90	TOY	524 848	2/27/90
EM	5181914	1/26/93	ZOOK	604 307	5/6/92
EN	5191752	3/9/93	MURPHY	54 44.5	5/4/92
EO	5221534	6/22/93	DESLAURIERS	424 78.03	2/4/91
EP	5239723	8/31/93	CHEN	15 104	8/24/92
EQ	5262468	11/16/93	CHEN	524 476	5/23/91
ER	5324222	6/28/94	CHEN	446 34	4/29/92
ES	5330452	7/19/94	ZOOK	604 307	6/1/93
ET	5313019	5/17/94	BRUSSELMANS	174 93	12/2/92
EU	5334646	8/2/94	CHEN	524 474	10/6/92
EV	5336708	8/9/94	CHEN	524 474	8/24/92
EW	5459193	10/17/95	ANDERSON	524 505	2/23/95
EX	5475890	12/19/95	CHEN	15 104	8/30/93
EY	5479952	1/2/96	ZACHARIADES	132 321	2/23/95
EZ	5559165	8/8/95	PAUL	523 111	8/8/95
FA	5606149	2/25/97	YAWORSKI	174 92	10/13/94
FB	5618882	4/8/97	HAMMOND	525 92	11/14/94
FC	5624294	4/29/97	CHEN	446 253	11/15/93
FD	5626657	5/6/97	PEARCE	106 122	8/22/96
FE	5633286	5/27/97	CHEN	524 474	8/11/94
FF	5655947	8/12/97	CHEN	446 46	5/23/91

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FI	PCT/WO 93/05113	18/3/93	RAYCHEM	6/9/91
FJ	PCT/WO 88/00603	28/1/88	RAYCHEM	17/7/87
FK	PCT/WO 93/23472	25/11/93	RAYCHEM	10/5/93
FL	PCT/WO 90/05166	17/5/90	RAYCHEM	9/11/89

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PUBLICATION

FM "STYRENE-DIENE TRIBLOCK COPOLYMERS: ORIENTATION CONDITIONS AND MECHANICAL PROPERTIES OF THE ORIENTED MATERIALS" A. WEILL AND R. PIXA, JOURNAL OF POLYMER SCIENCE POLYMER SYMPOSIUM 58, 381-394 (1977).

NO DATE FN ~~TUFTEC TRADE LITERATURE, ASANI CHEMICAL CO., LTD., SYNTHETIC RUBBER DIVISION, ENGLISH AND JAPANESE 14 PAGES.~~

84 FO SEPTON TRADE LITERATURE, KURARAY CO., LTD. 1995.8 (4,000) 15 PAGES.

NO DATE FP ~~SHELL CHEMICAL CO., DATA SHEETS: EKP-207 (093094-02) AND L-1203 (SC-2384-950-~~

84 FQ SC:1102-89 SHELL CHEMICAL TECHNICAL BULLETIN "KRATON® THERMOPLASTIC RUBBER IN OIL GELS", APRIL 1989

NO DATE FR ~~"TUFTEC" -- its characteristics and applications, Assahi Chemical.~~

4 FS SEPTON, High Performance Thermoplastic Rubber, Kurraray Co., LTD., 1995.

4 FT KRATON POLYMERS, May 1997, Shell Chemical Company.

NO DATE FU ~~Silipos product catlounge.~~

NO DATE FV ~~Silipos products catlounge sheets: Silosheath, Pressure Ulcers, Friction Sleeves with Gel, Gel-E-Rol & Friction Tape, Mesh Tubing, Silopad.~~

4 FW Silipos manual, 1994.

4 QD Melt Miscibility In Blends Of Polypropylene, Polystyrene-Block-Poly(Ethylene-Stat-Butylene)-Block-Polystyrene, And Processing Oil From Melting Point Depression, Ohlsson et al., Polymer Engineering and Science, 1996, Vol. 36, No. 11.

4 FX Blends And Thermoplastic Interpenetrating Polymer Networks Of Polypropylene And Polystyrene-Block-Poly(Ethylene-Stat-Butylene)-Block-Polytstyrene Triblock Copolymer. 1: Morphology And Structure-Related Properties, Ohlsson, et al., Polymer Engineering and Science, 2/1996, Vol. 36, No.4.

4 FY Migration And Blooming Of Waxes To The Surface Of Rubber Vulcanizates, Nah, et al., J. Of Polymer Science: Polymer Physics Ed., Vol. 18, 511-521 (1980).

EXAMINER

DATE CONSIDERED

04-24-06

EXAMINER: INITIAL CITATION CONSIDERED. DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.